

(19) World Intellectual Property
Organization
International Bureau



550170

(43) International Publication Date
30 September 2004 (30.09.2004)

PCT

(10) International Publication Number
WO 2004/084580 A1

(51) International Patent Classification⁷: **H04R 19/04, 3/00**

(21) International Application Number:

PCT/KR2003/001137

(22) International Filing Date: 10 June 2003 (10.06.2003)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:

10-2003-0017454 20 March 2003 (20.03.2003) KR

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

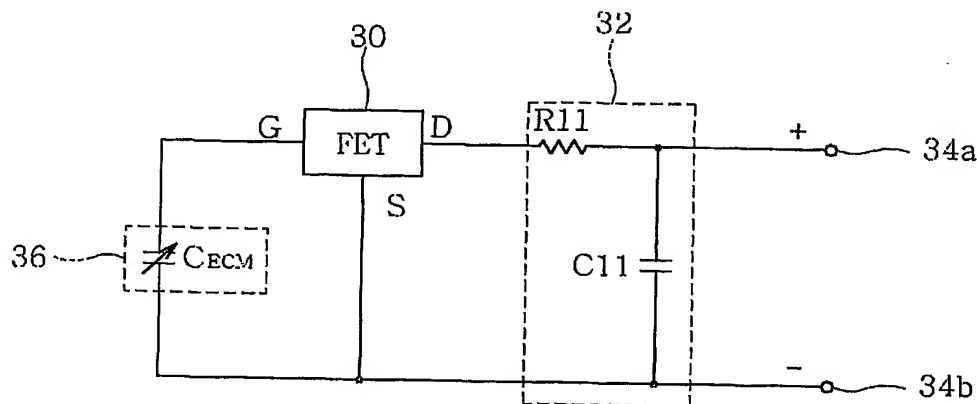
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: **CONDENSER MICROPHONE EMPLOYING WIDE BAND STOP FILTER AND HAVING IMPROVED RESISTANCE TO ELECTROSTATIC DISCHARGE**



(57) Abstract: Disclosed is a condenser microphone employing a wide band stop filter, having improved resistance to electrostatic discharge applied from outside. This has an object of providing a condenser microphone capable of being used for or multi-band by comprising a wide band stop filter capable of efficiently blocking a wide band signal including low frequency and radio frequency used in a mobile communication. To this end, a condenser microphone comprises: an acoustic module for converting sound pressure into variation of an electric signal; a FET for amplifying the electric signal inputted from the acoustic module; and a wide band stop filter for blocking a wide band signal including low frequency and radio frequency outputted from the FET, and being realized by any one or more of resistors and capacitors which are connected selectively according to the radio frequency band between the drain D and the source S of the FET. The condenser microphone according to this construction has advantages in that the range capable of removing EM noise is widened, an excellent filtering effect of noise is obtained, and resistance of electrostatic discharge applied from outside is largely improved.

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